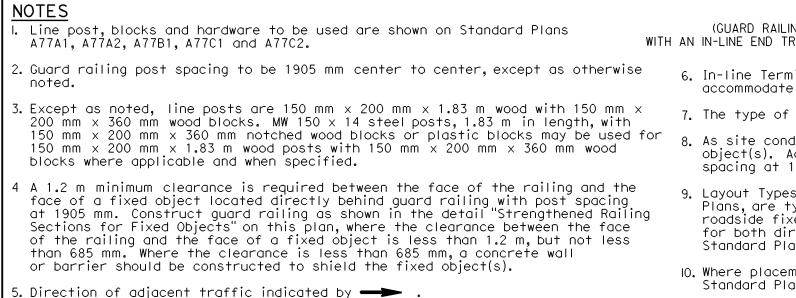


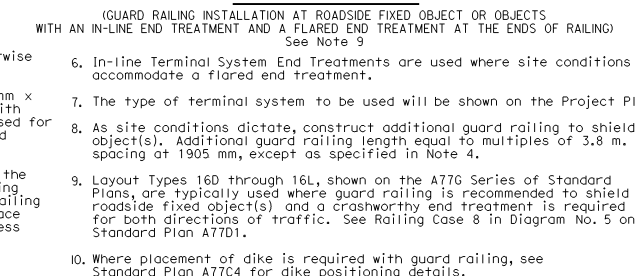
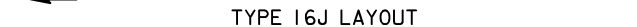
FOR FIXED OBJECT

Diagram illustrating the geometry and dimensions of a 15m or flatter flare. The diagram shows a horizontal road profile with a flare section. Key dimensions and components include:

- Buried Post End Anchor, see Note 12.**: Located at the start of the flare.
- 1905 mm post spacing**: The distance between posts along the flare.
- Begin 15m or flatter flare**: The start of the flare section.
- 15m or flatter flare (see Note 11)**: The main flare section.
- 305 mm Max offset for 15m flare**: The maximum offset for the flare.
- Edge of paved shoulder or offset line of traveled way.**: The boundary of the paved area.
- ETW**: Edge of Travel Way.
- Shoulder**: The unpaved area adjacent to the road.
- 7.6 m Parabola See Note 13**: A parabolic curve section.
- 1.2 m Min, See**: Minimum dimension for the shoulder.
- 0.9 m Min**: Minimum dimension for the shoulder.
- Bury end of roll in slope.**: The end of the flare section.
- Center of end post**: The center point of the end post.
- Hinge point**: The point where the flare meets the main road.



(GUARD RAILING INSTALLATION AT ROADSIDE FIXED OBJECT OR OBJECTS
WITH AN IN-LINE END TREATMENT AND A BURIED END ANCHOR TREATMENT AT THE ENDS OF RAILING)
See Note 9



DIST	COUNTY	ROUTE	KILOMETER POST TOTAL PROJECT	SHEET NO.	TOTAL SHEET

Ellis K. Hirst
REGISTERED CIVIL ENGINEER

July 1, 2004
PLANS APPROVAL DATE

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ELLIS K. HIRST
C17926
Exp. 6-30-05
CIVIL
STATE OF CALIFORNIA

To get to the Caltrans web site, go to <http://www.dot.ca.gov>

11. The 15:1 or flatter flare for the buried post anchor is based on the edge of the paved shoulder or offset line of edge of the traveled way. The length of guard railing within the 15:1 or flatter flare is based on site conditions and should be a length equal to multiples of 3.8 meters.
12. For details of Buried Post End Anchor details, see Standard Plan A7712.
13. For typical flare offsets for 7.6 m length parabola with maximum offset of 305 mm, see Standard Plan A7711.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

NO SCALE

ALL DIMENSIONS ARE IN
MILLIMETERS UNLESS OTHERWISE SHOWN

A77G7

2004 Std PLAN A77G7